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RELIABILITY PREDICTION

Model:SCN-600/800 SERIES Data:2000-03-13

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	64	0.003700	10	2.368000	29.095
9.1	Resistor-Film Power (RD)	6	0.010000	10	0.600000	7.372
9.1	Resistor-Film, Chip (RM)	0	0.003700	10	0.000000	0.000
9.1	Resistor-Wirewound Power (RW)	8	0.008500	10	0.680000	8.355
9.1	Resistor-Film, Variable (RVC)	4	0.040000	10	1.600000	19.658
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.172
10.1	Capacitor-Metal, Plastic (CH)	26	0.000510	10	0.132600	1.629
10.1	Capacitor-Ceramic(Gen.) (CK)	9	0.001700	10	0.153000	1.880
10.1	Capacitor-Ceramic chip (CDR)	0	0.003500	10	0.000000	0.000
10.1	Capacitor-Aluminum Dry (CE)	16	0.001300	10	0.208000	2.556
6.1	Diode-Gen. Purpose Analog	6	0.003600	8	0.172800	2.123
6.1	Diode-Switching	14	0.000940	8	0.105280	1.294
6.1	Diode-Fast Recovery Power Rectifier	4	0.023000	8	0.736000	9.043
6.1	Diode-Power Rectifier / Schottky Power	1	0.002800	8	0.022400	0.275
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	1	0.003300	8	0.026400	0.324
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	0.285
6.10	Diode-Thyristor/SCR	0	0.002500	8	0.000000	0.000
6.3	Transistor-NPN/PNP	3	0.000150	8	0.003600	0.044
6.3	Transistor-Power NPN/PNP	0	0.005700	8	0.000000	0.000
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	2.752
6.11	OPTO-isolator	1	0.027000	8	0.216000	2.654
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.046
5.1	Linear Microcircuits	7	0.009500	10	0.665000	8.171
11.1	Transformer Switching	2	0.000610	3	0.003660	0.045
11.2	Coil Fixed inductor or choke	5	0.000032	3	0.000480	0.006
13.1	Relay-General Purpose	0	0.049000	2.9	0.000000	0.000
14.1	Switches-Rocker	1	0.023000	2	0.046000	0.565
14.1	Switches-Thermal	0	0.031000	2	0.000000	0.000
14.1	Switches-Toggle	0	0.100000	2	0.000000	0.000
15.1	Connector- Rectangular	0	0.050000	2	0.000000	0.000
17.1	Single Connections-Reflow solder	530	0.000069	1	0.036570	0.449
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.003
22.1	Fuses	1	0.010000	1	0.010000	0.123
16.1	Plated Through Hole Circuit Boards	2	0.022000	2	0.088000	1.081
Total Failure rate:					8.138990	100%

- Data Base: MIL-HDBK-217F ,Notice 2, Parts Count

MTBF: 122865.37 hrs

- Env.: GB
- Exclude: FAN

Approved by: _____ . Compiled by: PETER 3/13 .